

BICYCLE FORK CARTRIDGE ASSEMBLY

Abstract of the Disclosure

An off-road bicycle suspension fork includes a pair of fork leg assemblies, each of the leg assemblies having an upper leg telescopingly engaged with a lower leg. A damping assembly is provided in at least one of the legs and includes a cartridge tube connected to the lower leg and a piston connected to the upper tube by a shaft. The piston is telescopingly engaged with the cartridge tube to define a compression chamber below the piston. A control assembly is located at a top portion of the upper leg and is in communication with the compression chamber via a central passage of the shaft. A reservoir is defined between at least a portion of the lower tube and the cartridge. During compression of the suspension fork, fluid flows from the compression chamber, upward through the central passage of the shaft, through the control assembly and to the reservoir.

H:\DOCS\CCD\FXRACE\FXRACE.004C1\APPLICATION.DOC
071403